### Program Description
The Program focuses on installing comprehensive computer science knowledge among students and exposing them to issues involved in the development of scientific, educational and commercial applications of computer science. The degree lays emphasis on an integrated approach to meet the hardware and software needs of the industry. The purpose of this program is to produce graduated students with a sound knowledge of computer science contemporary technologies and professional skills. It is a four year program which has eight semesters, each semester is running for sixteen weeks. The degree is awarded to students on the successful completion of a minimum 142 credit hours, including six credits for the project.

### Our Objectives
- Our graduated students will apply their knowledge and skills to succeed in their career and obtain an advanced degree.
- Our graduated students will function ethically and responsibly, and will remain informed and involved as full participants in their profession and our society.
- Our graduates will successfully function in multi-disciplinary teams.
- Our graduates will apply basic principles and practices of computing grounded in mathematics and science to successfully complete software related projects to meet.

### Customer business objectives and Productively engage in research.

### Careers:
- **Software Engineering**
- **Information Technology**
- **Database Systems**
- **Web Engineering**

### First Semester
- **CSC103** Introduction to Computer
- **HUM100** Afghanistan history
- **HUM110** Islamic Studies
- **MGT101** English comprehension and composition
- **CSC240** Programming I
- **CSC339** Network I

### Second Semester
- **CSC241** Programming II
- **CSC322** Operating System
- **HUM102** Technical Business Writing
- **MTH104** Calculus I
- **HUM111** Principle of Accounting
- **EEE241** Islamic Studies
- **BIT 123** Network II

### Third Semester
- **CSC211** Web Engineering I
- **MTH242** Object Oriented Programming (Java)
- **MTH105** Calculus II
- **EEE120** Network Security
- **CSC271** Database Systems
- **BIT235** Islamic Studies

### Fourth Semester
- **CSC273** Database Administration
- **CSC221** Computer Architecture and Assembl Language
- **CSC339** Data Communication
- **EEE121** Discrete Mathematics
- **CSC535** Web Engineering II
- **BIT245** Islamic Studies

### Fifth Semester
- **CSC312** Wireless Communication System
- **EEE440** Data Structure
- **CSC536** Artificial Intelligence
- **CSC291** Software Engineering
- **CSC201** Design and Analysis of Algorithms
- **MTH262** Digital logic and design
- **BIT 352** Islamic Studies

### Sixth Semester
- **CSC292** Network Operating System
- **CSC340** Theory of Automata
- **MTH231** Compiler Construction
- **BIT364** Islamic Studies
- **CSC455** Modern Programming Language
- **CSC443** Visual Programming I (C#)

### Seventh Semester
- **CSC331** Digital Image Processing
- **CSC444** Visual Programming II
- **CSC456** Human Computer Interaction
- **BIT474** Elective I
- **BIT475** Elective II
- **BIT 476** Islamic Studies

### Eight Semester
- **CSC677** Data Warehousing and Data Mining
- **BIT482** Elective I
- **BIT483** Elective II
- **BIT484** Final Project
- **BIT485** Islamic Studies